

Title (en)
SUBSTITUTED FERROCENYLDIPHOSPHINES AS LIGANDS FOR HOMOGENEOUS HYDROGENATION CATALYSTS

Title (de)
SUBSTITUIERTE FERROCENYLDIPHOSPHINLIGANDE FÜR HOMOGENE HYDROGENIERUNGSKATALYSATOREN

Title (fr)
UTILISATION DE FERROCENYLDIPHOSPHINES SUBSTITUEES EN TANT QUE LIGANDS POUR CATALYSEURS D'HYDROGENATION HOMOGENE

Publication
EP 1622920 A1 20060208 (EN)

Application
EP 04731637 A 20040507

Priority

- EP 2004050731 W 20040507
- CH 8142003 A 20030509

Abstract (en)
[origin: US2006241315A1] Compounds of the formula (1), in which R₁is C₁-C₄alkyl, C₆-C₁₀aryl or C₇-C₁₁, aralkyl, R₂is an open-chain or cyclic secondary amino group, and R is a radical of the formula in which _{R3}is C₁-C₄alkyl or C₁-C₄alkoxy, and R₄is H, Cl-C₄alkyl or C₁-C₄alkoxy, are ligands for metal complexes as homogeneous hydrogenation catalysts for prochiral organic compounds containing double bonds, by means of which a very high activity and productivity and also enantioselectivity can be achieved.

IPC 1-7
C07F 17/02; **C07B 31/00**; **B01J 31/00**

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B01J 31/22 (2006.01); **C07B 53/00** (2006.01); **C07F 17/02** (2006.01)

CPC (source: EP US)
B01J 31/2295 (2013.01 - EP US); **B01J 31/2409** (2013.01 - EP US); **C07B 53/00** (2013.01 - EP US); **C07F 17/02** (2013.01 - EP US); **B01J 2231/645** (2013.01 - EP US); **B01J 2531/0286** (2013.01 - EP US); **B01J 2531/821** (2013.01 - EP US); **B01J 2531/822** (2013.01 - EP US); **B01J 2531/827** (2013.01 - EP US)

Cited by
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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